

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P674826

Luminaire Tested: **CCW-SA-1D-735-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674826
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-735-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T2 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5486.8 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

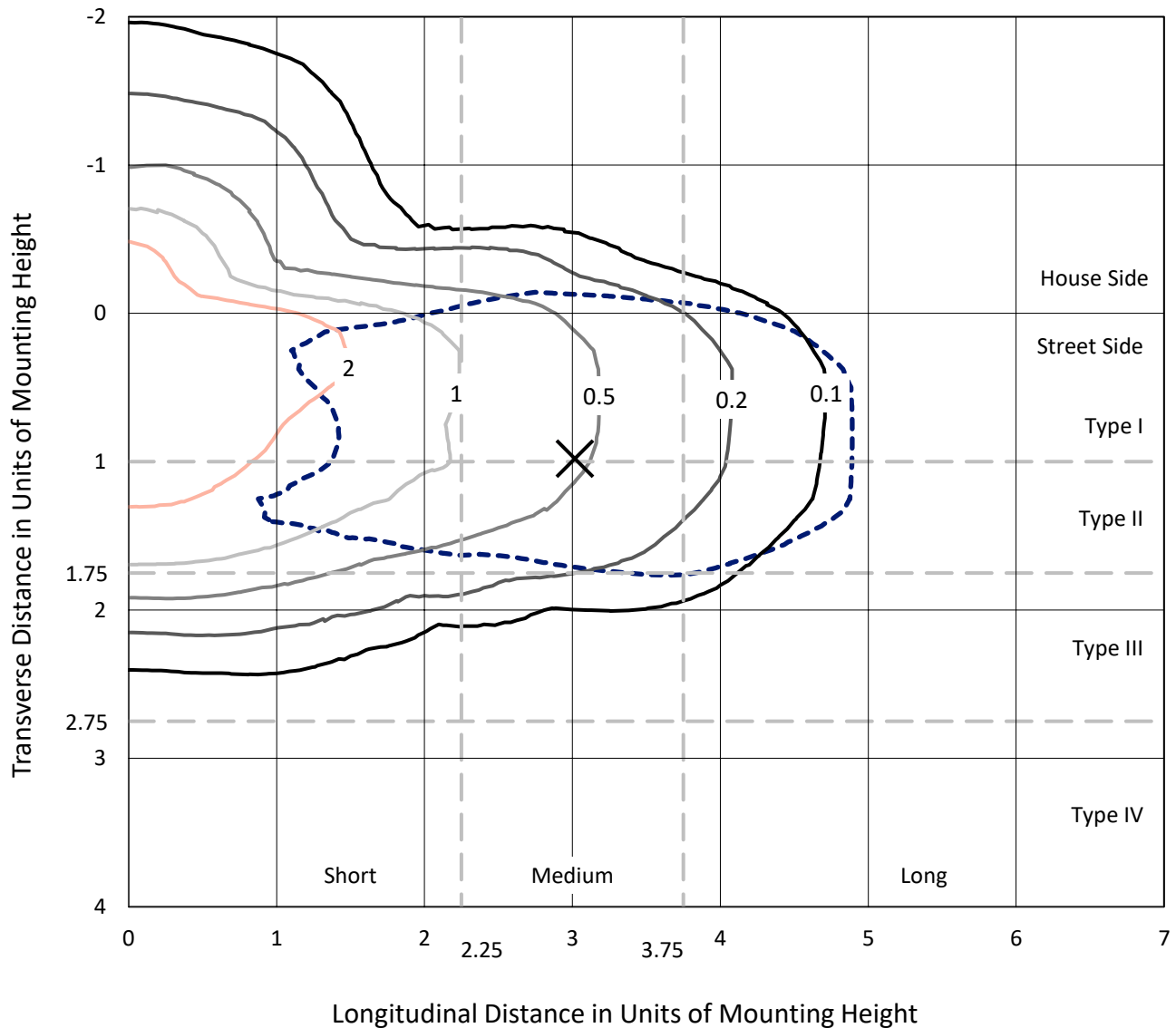
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

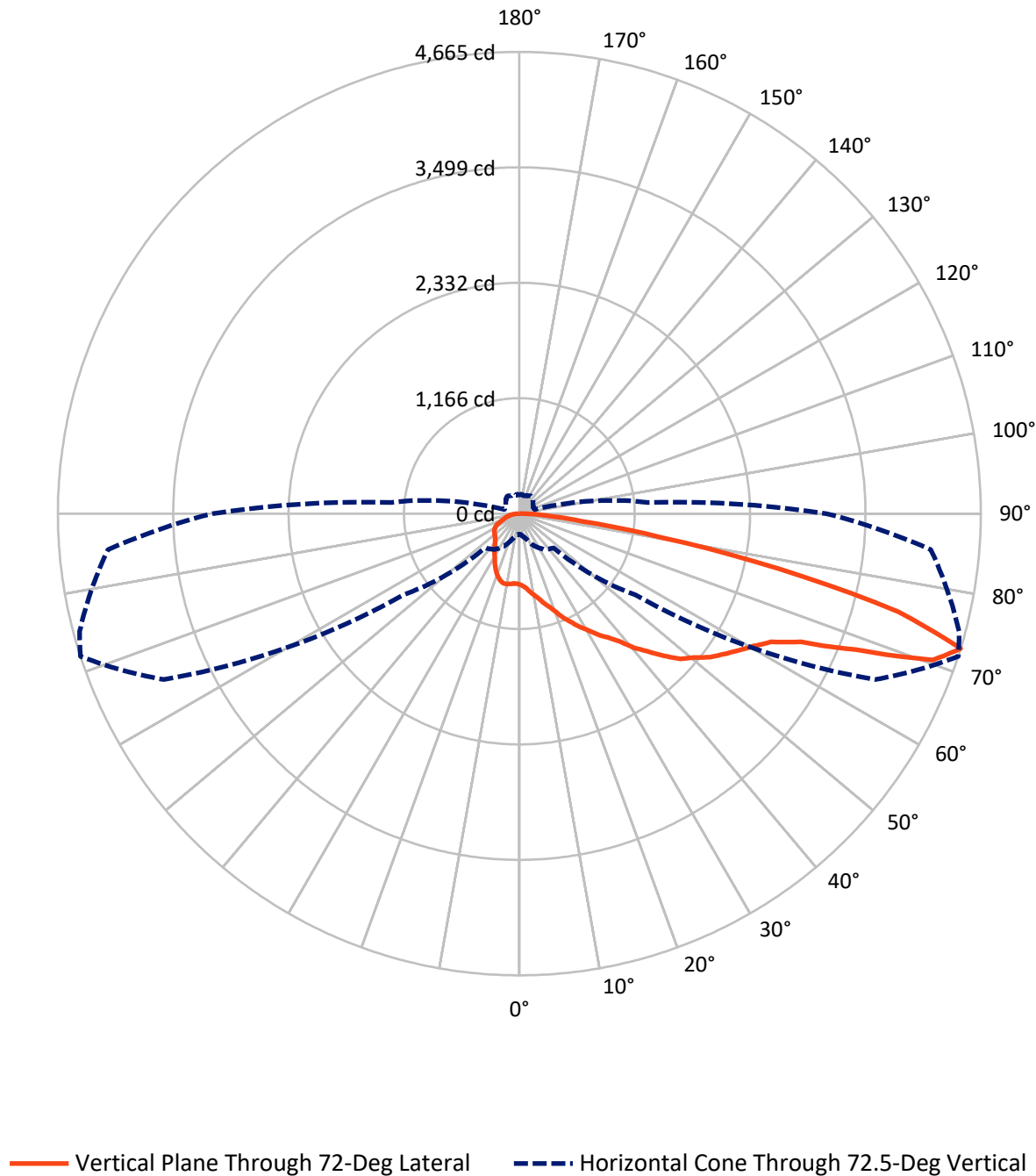
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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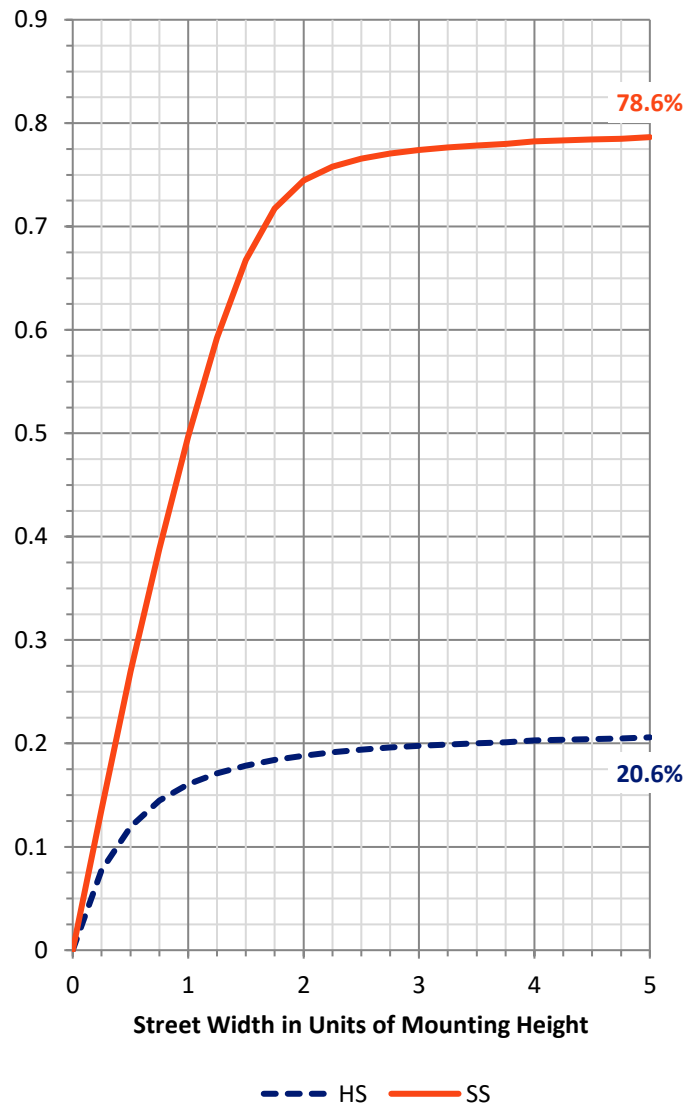
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1154.7	0.0	1154.7
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4332.0	0.0	4332.0
	% Fixture	79.0	0.0	79.0
Total	Lumens	5486.8	0.0	5486.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	1.3
10°-20°	220.2	4.0
20°-30°	381.0	6.9
30°-40°	562.8	10.3
40°-50°	836.9	15.3
50°-60°	1147.3	20.9
60°-70°	1244.5	22.7
70°-80°	877.4	16.0
80°-90°	145.8	2.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5486.8	100.0
0°-180°	5486.8	100.0

Coefficient of Utilization



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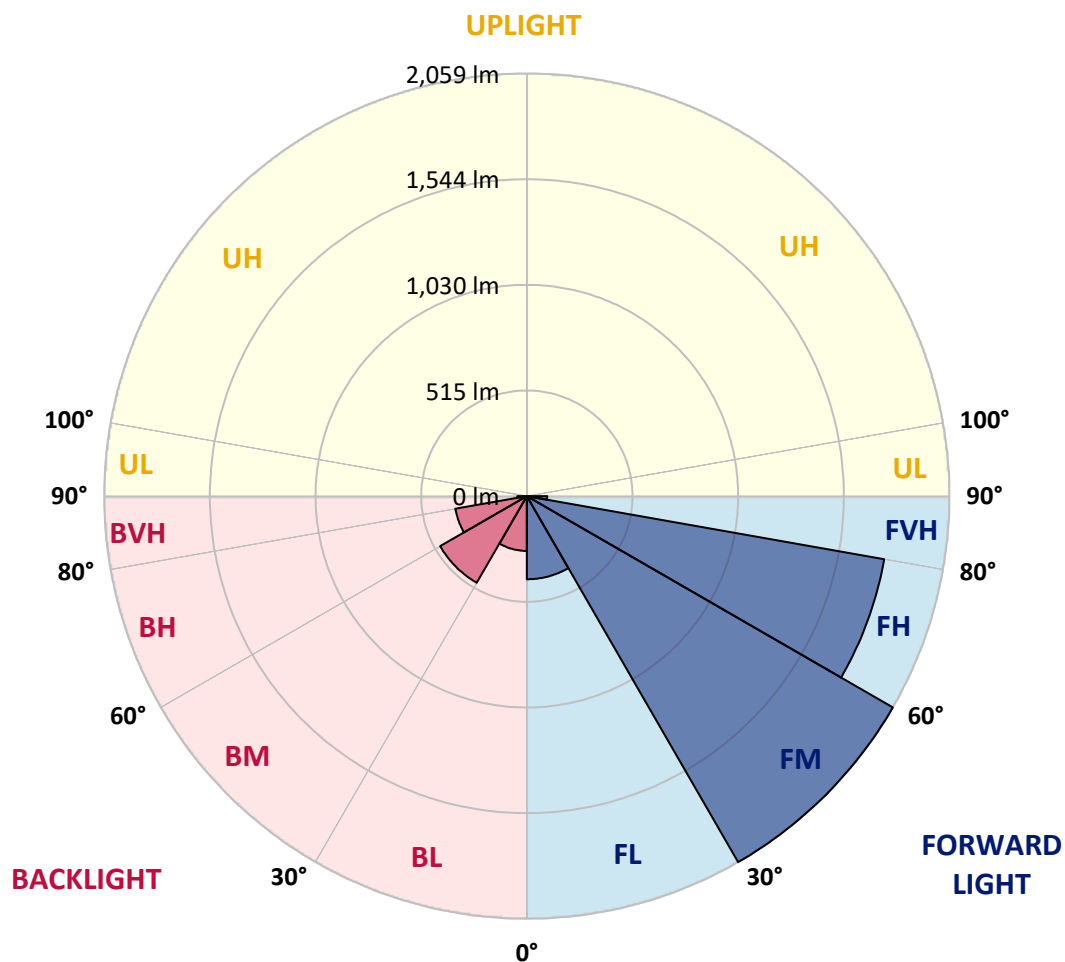
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	405.2	7.4			
FM	(30°-60°)	2059.3	37.5			
FH	(60°-80°)	1768.2	32.2			G1/1800
FVH	(80°-90°)	99.4	1.8			G1/100
BL	(0°-30°)	266.9	4.9	B1/500		
BM	(30°-60°)	487.7	8.9	B1/1000		
BH	(60°-80°)	353.7	6.4	B1/500		G1/500
BVH	(80°-90°)	46.4	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7
2.5°	773.4	773.4	767.3	765.3	765.3	749.1	751.1	741.0	732.9	732.9	724.8
5°	813.9	809.9	809.9	809.9	799.7	793.7	791.6	773.4	759.2	761.3	737.0
7.5°	824.0	826.1	828.1	838.2	832.1	836.2	832.1	811.9	801.8	791.6	769.4
10°	830.1	834.2	834.2	848.3	848.3	858.4	864.5	856.4	838.2	828.1	791.6
12.5°	844.3	838.2	846.3	856.4	866.5	884.8	903.0	894.9	882.7	870.6	830.1
15°	844.3	846.3	852.4	868.6	884.8	903.0	935.4	947.5	941.5	919.2	876.7
17.5°	820.0	813.9	842.3	872.6	903.0	925.3	967.8	996.1	992.1	984.0	919.2
20°	822.0	828.1	838.2	864.5	913.1	953.6	1006.2	1052.8	1062.9	1058.9	975.9
22.5°	858.4	860.5	870.6	882.7	921.2	973.9	1052.8	1127.7	1145.9	1135.8	1038.6
25°	894.9	911.1	911.1	919.2	933.4	988.0	1083.2	1188.5	1214.8	1216.8	1103.4
27.5°	953.6	957.7	969.8	973.9	986.0	1018.4	1117.6	1233.0	1293.7	1285.6	1162.1
30°	1022.4	1024.5	1032.6	1028.5	1030.5	1071.0	1150.0	1283.6	1366.6	1368.7	1224.9
32.5°	1103.4	1119.6	1123.7	1097.4	1101.4	1111.5	1200.6	1344.4	1457.7	1443.6	1279.6
35°	1222.9	1229.0	1216.8	1204.7	1174.3	1168.2	1253.3	1405.1	1536.7	1552.9	1360.6
37.5°	1370.7	1386.9	1370.7	1305.9	1273.5	1249.2	1318.0	1471.9	1631.9	1686.5	1441.5
40°	1508.4	1506.3	1490.1	1431.4	1374.7	1356.5	1411.2	1565.1	1779.7	1832.3	1559.0
42.5°	1619.7	1613.6	1603.5	1559.0	1506.3	1476.0	1518.5	1662.2	1903.2	2004.4	1694.6
45°	1716.9	1708.8	1710.8	1660.2	1609.6	1625.8	1625.8	1773.6	2048.9	2174.5	1850.5
47.5°	1808.0	1812.1	1806.0	1767.5	1729.0	1771.6	1749.3	1901.1	2192.7	2332.4	1982.1
50°	1913.3	1921.4	1901.1	1876.8	1842.4	1884.9	1856.6	2020.6	2285.8	2476.1	2140.0
52.5°	2012.5	2020.6	2038.8	2008.4	1974.0	2008.4	1943.7	2132.0	2409.3	2615.8	2261.5
55°	2036.8	2032.7	2134.0	2166.4	2184.6	2081.3	2020.6	2227.1	2506.5	2704.9	2399.2
57.5°	1925.4	1935.6	2073.2	2166.4	2360.7	2271.7	2107.7	2338.5	2607.7	2822.4	2526.8
60°	1648.1	1654.1	1826.2	2046.9	2330.4	2449.8	2342.5	2482.2	2719.1	2921.6	2670.5
62.5°	1101.4	1148.0	1362.6	1708.8	2115.8	2498.4	2717.1	2725.2	2854.7	3047.1	2866.9
65°	581.1	603.3	771.4	1050.8	1603.5	2330.4	3069.4	3207.0	3126.1	3277.9	3150.3
67.5°	380.6	388.7	479.8	637.8	925.3	1700.7	3109.9	4043.2	3670.7	3717.2	3603.9
70°	283.5	287.5	354.3	471.7	573.0	909.1	2549.0	4434.0	4431.9	4308.4	4142.4
72.5°	208.5	214.6	261.2	360.4	441.4	490.0	1433.4	3966.3	4664.8	4602.0	4174.8
75°	164.0	168.0	192.3	279.4	356.3	321.9	726.8	2937.8	3956.2	4257.8	3820.5
77.5°	133.6	137.7	151.8	202.5	285.5	249.0	348.2	1895.1	2682.7	3065.3	2923.6
80°	111.4	111.4	121.5	143.7	220.7	188.3	206.5	1065.0	1445.6	1595.4	1326.1
82.5°	95.2	93.1	101.2	105.3	164.0	135.7	133.6	481.9	635.7	674.2	498.1
85°	60.7	62.8	95.2	91.1	107.3	93.1	74.9	228.8	299.6	305.7	186.3
87.5°	24.3	24.3	40.5	50.6	60.7	56.7	36.4	103.3	131.6	131.6	52.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7
2.5°	722.8	714.7	708.6	704.6	694.5	684.3	686.4	684.3	676.2	672.2	672.2
5°	730.9	722.8	712.7	696.5	686.4	674.2	678.3	670.2	662.1	668.1	658.0
7.5°	751.1	737.0	722.8	698.5	682.3	664.1	656.0	651.9	645.9	641.8	641.8
10°	779.5	759.2	732.9	696.5	670.2	641.8	637.8	629.7	623.6	623.6	621.6
12.5°	807.8	785.6	741.0	682.3	637.8	617.5	615.5	617.5	621.6	623.6	625.6
15°	844.3	807.8	739.0	656.0	611.4	603.3	613.5	621.6	629.7	637.8	635.7
17.5°	878.7	836.2	720.8	623.6	589.2	591.2	609.4	625.6	641.8	649.9	651.9
20°	925.3	862.5	694.5	585.1	566.9	585.1	609.4	629.7	647.9	658.0	660.0
22.5°	977.9	892.9	660.0	550.7	548.7	566.9	591.2	621.6	641.8	660.0	658.0
25°	1024.5	913.1	615.5	522.4	526.4	538.6	566.9	599.3	619.5	639.8	633.7
27.5°	1054.8	917.2	568.9	502.1	502.1	514.3	540.6	560.8	579.0	595.2	597.3
30°	1089.3	909.1	516.3	475.8	475.8	492.0	502.1	514.3	524.4	528.4	532.5
32.5°	1129.8	890.8	483.9	455.5	455.5	467.7	473.8	469.7	467.7	457.6	463.6
35°	1168.2	864.5	447.4	429.2	437.3	443.4	441.4	429.2	417.1	398.9	392.8
37.5°	1214.8	838.2	415.1	400.9	415.1	417.1	417.1	402.9	386.7	364.4	364.4
40°	1285.6	818.0	388.7	382.7	396.8	394.8	384.7	374.6	380.6	368.5	368.5
42.5°	1360.6	809.9	364.4	366.5	372.5	374.6	364.4	352.3	376.6	362.4	364.4
45°	1453.7	815.9	348.2	346.2	360.4	358.4	352.3	342.2	350.3	313.8	303.7
47.5°	1540.8	828.1	340.1	332.0	348.2	352.3	344.2	321.9	309.8	287.5	283.5
50°	1619.7	854.4	332.0	315.8	332.0	340.1	326.0	301.7	287.5	273.3	273.3
52.5°	1694.6	892.9	328.0	297.6	311.8	321.9	313.8	289.5	273.3	267.3	261.2
55°	1771.6	927.3	321.9	285.5	289.5	309.8	307.7	275.4	259.2	259.2	257.1
57.5°	1880.9	973.9	313.8	265.2	273.3	295.6	295.6	269.3	251.1	253.1	255.1
60°	1992.3	1028.5	305.7	245.0	251.1	281.4	285.5	261.2	245.0	247.0	245.0
62.5°	2170.4	1129.8	289.5	220.7	232.8	263.2	273.3	251.1	236.9	240.9	240.9
65°	2439.7	1303.9	255.1	200.4	214.6	247.0	261.2	240.9	224.7	236.9	232.8
67.5°	2873.0	1542.8	214.6	184.2	202.5	230.8	247.0	228.8	214.6	232.8	226.8
70°	3261.7	1660.2	184.2	170.1	184.2	212.6	230.8	216.6	202.5	220.7	212.6
72.5°	3103.8	1301.8	159.9	153.9	168.0	192.3	214.6	200.4	186.3	196.4	188.3
75°	2678.6	1036.6	139.7	137.7	149.8	174.1	196.4	186.3	172.1	176.1	172.1
77.5°	2030.7	856.4	119.5	117.4	127.6	155.9	176.1	168.0	153.9	151.8	151.8
80°	907.0	421.1	99.2	99.2	105.3	133.6	149.8	145.8	131.6	129.6	127.6
82.5°	297.6	159.9	81.0	76.9	85.0	111.4	133.6	129.6	115.4	111.4	107.3
85°	119.5	76.9	58.7	58.7	66.8	93.1	119.5	111.4	93.1	83.0	83.0
87.5°	40.5	32.4	30.4	30.4	42.5	62.8	89.1	74.9	66.8	58.7	60.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)